ABSTRACT OF THE DISCLOSURE

When training carried out prior to data
communication is performed in digital subscriber line
transmission (xDSL), the side which transmits training
5   symbols adds some data that is contained in a training
symbol sequence onto at least one of the beginning and
end of this symbol sequence and then transmits the
training symbol sequence. The receiving side removes
the data that has been added onto the training symbol
10   sequence and executes training processing. The length
of the training symbol sequence and of a transmit symbol
sequence at time of normal communication is set in such
a manner that the symbol sequence will not fall within
an interval in which effects of near-end crosstalk from
15   a neighboring line are received. Further, at the time
of training prior to data communication, timing
information, which specifies an interval in which
effects of crosstalk from a neighboring line are
received, is inserted into a training symbol sequence
20   and the training symbol sequence is transmitted from a
device on the office side to a device on the subscriber
side.